

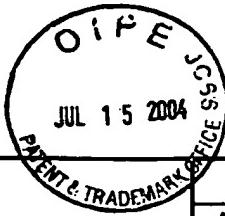


Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete If Known</b>	
Sheet	1	of	3	Application Number	10/661,467
				Filing Date	September 12, 2003
				First Named Inventor	Kyosuke Achiwa
				Art Unit	2186
				Examiner Name	Unassigned
				Attorney Docket Number	16869P-094600US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,647,474	11-11-2003	Yanai et al	
	2	US-6,625,705	09-23-2003	Yanai et al	
	3	US-2003/167419	09-04-2003	Yanai et al.	
	4	US-6,587,819	07-01-2003	Yanai et al	
	5	US-6,539,462	03-25-2003	Mikkelsen et al.	
	6	US-6,502,205	12-31-2002	Yanai et al	
	7	US-6,418,509	07-09-2002	Yanai et al	
	8	US-6,247,048	08-12-2001	Yanai et al	
	9	US-6,230,239	05-08-2001	Sakaki et al.	
	10	US-6,185,653	02-06-2001	Yanai et al	
	11	US-6,173,377	01-09-2001	Yanai et al	
	12	US-6,003,114	12-14-1999	Bachmat.	
	13	US-5,998,045	11-30-1999	Lee et al.	
	14	US-5,978,890	11-02-1999	Ozawa et al.	
	15	US-5,960,218	09-29-1999	Vishlitzky et al	
	16	US-5,940,855	08-17-1999	Ohzora et al.	
	17	US-5,909,692	06-01-1999	Yanai et al	
	18	US-5,901,327	05-04-1999	Ofek.	
	19	US-5,898,548	04-20-1999	Ofek.	
	20	US-5,835,854	11-10-1998	Duyanovich et al.	
	21	US-5,819,020	10-06-1998	Beeler	
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	24	US-5,740,465	04-14-1998	Matsunami et al.	
	25	US-5,692,155	11-25-1997	Ilskiyan et al.	
	26	US-5,680,640	10-21-1997	Ofek et al.	
	27	US-5,664,144	09-02-1997	Yanai et al	
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	30	US-5,613,155	03-18-1997	Baldiga et al.	
	31	US-5,588,012	12-24-1996	Oizumi.	
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	35	US-5,379,398	01-03-1995	Cohn et al.	
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	40	US-4,451,884	05-29-1984	Heath et al.	
	41	US-3,990,055	11-02-1976	Henderson et al.	

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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, T <sup>4</sup>
Examiner Signature	<i>RdB</i>		Date Considered	<i>3/17/05</i>	

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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*Complete If Known*

Application Number	10/661,467
Filing Date	September 12, 2003
First Named Inventor	Kyosuke Achiwa
Art Unit	2186
Examiner Name	Unassigned
Attorney Docket Number	16869P-094600US

		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>PB</i>	42	JP	2000-305856	11-02-2000	Hitachi Ltd.			<input checked="" type="checkbox"/>
	43	JP	11-338847	12-10-1999	Hitachi Ltd.			<input checked="" type="checkbox"/>
	44	JP	09-325863	12-18-1997	Hitachi Ltd.			<input checked="" type="checkbox"/>
	45	JP	07-201132	08-04-1995	Mitsubishi Electric Corp			<input checked="" type="checkbox"/>
	46	JP	07-191811	07-28-1995	Hitachi Ltd			<input checked="" type="checkbox"/>
	47	JP	06-250795	09-09-1994	Hitachi Ltd			<input checked="" type="checkbox"/>
	48	JP	06-067811	03-11-1994	Fuji Xerox Co. Ltd			<input checked="" type="checkbox"/>
	49	JP	03-204023	09-05-1991	Fujitsu Ltd.			abstract only
	50	JP	02-059934	02-28-1990	NEC Corp			abstract only
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	52	JP	58-219656	12-12-1983	Hitachi Ltd.			abstract only
<i>PB</i>	53	JP	58-151660	09-08-1983	Hitachi Ltd.			abstract only

Examiner Signature	<i>Pal Bh</i>	Date Considered	<i>3/17/03</i>
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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
				<i>Application Number</i>	10/661,467
				<i>Filing Date</i>	September 12, 2003
				<i>First Named Inventor</i>	Kyosuke Achiwa
				<i>Art Unit</i>	2186
				<i>Examiner Name</i>	Unassigned
Sheet	3	of	3	<i>Attorney Docket Number</i>	16869P-094600US

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	54	ROSENBLUM "The Design and Implementation of a Log-Structured File System," ACM Transactions on Computer Systems 10:28-52 (1992).	
	55	"Symmetrix Data Migration Services (SDMS)" EMC <sup>2</sup> Symmetrix ICDA Family Product Information (2000).	

Examiner Signature		Date Considered	3/17/05
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

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				<i>Complete if Known</i>	
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				Filing Date	September 12, 2003
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		Number	Kind Code <sup>3</sup> (if known)		

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
BB	1	PCT	WO 01/04754	A2	01-18-2001	Hitachi Data Systems
BB	2	PCT	WO 98/20419	A1	05-14-1998	Vinca Inc.

Examiner Signature		Date Considered
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